bs-12193R **[Primary Antibody]**

FOXD1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 2297 **SWISS:** Q16676

Target: FOXD1

Immunogen: KLH conjugated synthetic peptide derived from Human FOXD1: 131-230/465.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: FOXD1 is involved in regulating inflammation as well as kidney and retinal development. FOXD1 regulates the activity of NFAT and NFkB. Deficiency of FOXD1 results in multiorgan systemic inflammation, exaggerated Th cell-derived cytokine production, and T cell proliferation in autogolgous MLRs. In kidneys, FOXD1 controls the production of signals required for the normal transition of induced mesenchyme into tubular epithelium and full growth and branching of the collecting system. Deletion of FOXD1 results in renal abnormalities. FOXD2 acts as a modulator of T cell activation.

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rabbit, Sheep, Chicken, Dog)

Predicted MW.: 46 kDa

Subcellular Location: Nucleus

SELECTED CITATIONS

- **[IF=5.682]** Gao, Cao. et al. BMSC-Derived Exosomes Carrying lncRNA-ZFAS1 Alleviate Pulmonary Ischemia/Reperfusion Injury by UPF1-Mediated mRNA Decay of FOXD1. MOL NEUROBIOL. 2023 Jan;:1-18 WB ;Mouse. 36652050
- **[IF=3.6]** Li Shan. et al. Integrative analysis with machine learning identifies diagnostic and prognostic signatures in neuroblastoma based on differentially DNA methylated enhancers between INSS stage 4 and 4S neuroblastoma. J CANCER RES CLIN. 2024 Mar;150(3):1-26 IHC ;Human. 38512513
- **[IF=3.399]** Qi Liu. et al. Investigation of Candidate Genes and Pathways in Basal/TNBC Patients by Integrated Analysis:. Technol Cancer Res T. 2021;(): IHC ;Human. 34184566
- **[IF=2.5]** Gan Lu. et al. Association Between Diabetes Mellitus and Allergic Diseases Sensitized by Different Allergens and the Potential Mechanism of Diabetes Mellitus Affecting Ovalbumin-Induced Allergic Rhinitis. AM J RHINOL ALLERGY. ;(): WB ;Rabbit. 40289517
- **[IF=2.5]** Yunxuan Ma. et al. Acupotomy Ameliorates KOA Related Chondrocyte Premature Senescence Through YAP/FOXD1 Pathway. J PAIN RES. 2025 四月 11 WB ;Rabbit. 40241815